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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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6

Complete if Known

Application Number	10/052,682
Filing Date	January 17, 2002
First Named Inventor	Julie WARD
Art Unit	2142
Examiner Name	Hieu C. LE Harrell
Attorney Docket Number	10019569-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
1A	US- 5,634,011-A	05-27-1997	Auerbach et al.		
1B	US- 5,634,004-A	05-27-1997	Gopinath et al.		
1C	US- 5,107,489-A	04-21-1992	Brown et al.		
1D	US- 5,970,232-A	10-19-1999	Passint et al.		
1E	US- 6,628,649-B1	09-30-2003	Raj et al.		
1F	US- 6,614,796-B1	09-02-2003	Black et al.		
1G	US- 5,831,996-A	11-03-1998	Abramovici et al.		
1H	US- 5,878,232-A	03-02-1999	Peram Marimuthu		
1I	US- 6,195,355-B1	02-27-2001	Noritoshi Demizu		
1J	US- 6,701,327-B1	03-02-2004	Jones et al.		
1K	US- 5,835,498-A	11-10-1998	Kim et al.		
1L	US- 4,920,487-A	04-24-1990	Paul T. Baffes		
1M	US- 5,329,619-A	07-12-1994	Pagé et al.		
1N	US- 5,113,496-A	05-12-1992	McCalley et al.		
1O	US- 6,594,701-B1	07-15-2003	Alessandro Forin		
1P	US- 6,557,169-B1	04-29-2003	Bernard Erpeldinger		
1Q	US- 6,766,381-B1	07-20-2004	Barker et al.		
1R	US- 6,253,339-B1	06-26-2001	Tse et al.		
1S	US- 6,701,327-B1	03-02-2004	Jones et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
RGH	1T	WO-96/17458-A	06-06-1996	British		
				Telecommunications		
				Public Limited		
				Company		

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2A	US- 5,524,212-A		06-04-1996	Somani et al.	
2B	US- 6,603,769-B1		08-05-2003	Thubert et al.	
2C	US- 6,757,731-B1		06-29-2004	Barnes et al.	
2D	US- 6,148,000-A		11-14-2000	Feldman et al.	
2E	US- 6,611,872-B1		08-26-2003	Steven McCanne	
2F	US- 5,857,180-A		01-05-1999	Hallmark et al.	
2G	US- 5,307,449-A		04-26-1994	Keiley et al.	
2H	US- 5,651,005-A		07-22-1997	Kwok et al.	
2I	US- 6,141,355-A		10-31-2000	Palmer et al.	
2J	US- 5,838,919-A		11-17-1998	Schwaller et al.	
2K	US- 6,038,219-A		03-14-2000	Mawhinney et al.	
2L	US- 6,668,308-B2		12-23-2003	Barroso et al.	
2M	US- 6,570,850-B1		05-27-2003	Gutierrez et al.	
2N	US- 6,363,334-B1		03-26-2002	Andrews et al.	
2O	US- 6,108,782-A		08-22-2000	Fletcher et al.	
2P	US- 6,539,531-B2		03-25-2003	Miller et al.	
2Q	US- 5,138,657-A		08-11-1992	Colton et al.	
2R	US- 6,331,905-B1		12-18-2001	Ellinas et al.	
2S	US- 6,003,037-A		12-14-1999	Kassabgi et al.	

FOREIGN PATENT DOCUMENTS

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Examiner Signature

Julie Ward

Date Considered

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Art Unit	2142
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	3A	US- 5,245,609-A	09-14-1993	Ofek et al.	
	3B	US- 5,805,578-A	09-08-1993	Stirpe et al.	
	3C	US- 6,047,199-A	04-04-2000	DeMarco	
	3D	US- 5,581,689-A	12-03-1996	Slominski et al.	
	3E	US- 5,815,402-A	09-29-1998	Taylor et al.	
	3F	US- 6,157,645-A	12-05-2000	Shobatake	
	3G	US- 6,212,568-B1	04-03-2001	Miller et al.	
	3H	US- 2003-0145294 A1	07-31-2003	Ward et al.	
	3I	US- 2003-0065758 A1	04-03-2003	O'Sullivan et al.	
	3J	US- 2002-0083159 A1	06-27-2002	Ward et al.	
	3K	US- 6,031,984-A	02-29-2000	Walser	
	3L	US- 6,526,420-B2	02-25-2003	Borowsky et al.	
	3M	US- 2005-0021583-A1	01-17-2005	Andrzejak et al.	
		US-			

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Examiner Signature

Hieu C. LE - Harrel

Date Considered

1/15/2007

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/052,682
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				First Named Inventor	Julie WARD
				Art Unit	2142
				Examiner Name	Hieu C. LE <i>Harrell</i>
Sheet	4	of	6	Attorney Docket Number	10019569-1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	4A	Mathew ANDREWS et al., Integrated Scheduling of Unicast and Multicast Traffic in an Input-Queued Switch, 1999. < http://cm.bell-labs.com/cm/ms/who/andrews/infocom99switch.ps >	
	4B	Viraphol CHAIYAKUL, Assignment Decision Diagram for High-Level Synthesis, 1992.	
	4C	Andre DEHON, Notes on Coupling Processors with Reconfigurable Logic, MIT Transit Project, Transit Note #118, 1995.	
	4D	Cathy FULTON et al., Impact Analysis of Packet-Level Scheduling On an ATM Shared-Memory Switch, Infocom, Volume 3 pp. 947-954, 1998, IEEE, New York, NY.	
	4E	Hiroshi INOSE, An Introduction to Digital Integrated Communication Systems, pages 87-89, 1979, Peter Peregrinus Ltd., Stevenage, United Kingdom.	
	4F	A. Richard NEWTON, Interface-Based Design; Introduction, University of California at Berkeley, April 1999.	
	4G	Derek C. W. PAO, A Congestion Control Algorithm for Multipoint-to-Multipoint ABR Service in ATM Network, Proceedings of the IEEE Conference on High Performance Switching and Routing, pp. 167-175, June 26, 2000, IEEE Press, New York, NY.	
	4H	Rainer SCHOENEN et al., Weighted Arbitration Algorithms with Priorities for Input-Queued Switches with 100% Throughput, 1999, < http://www.iss.rwth-aachen.de/Projekte/Theo/papers/Schoenen99bssw.ps.gz >	
	4I	Oryal TANIR et al., Structural Reuse In The Design Of ATM Switch Fabrics, 1997.	
	4J	I. WIDJAJA et al., Performance Issues in VC-Merge Capable ATM LSRs, RFC 2682, September 1999, The Internet Society, Reston, VA.	

Examiner Signature	<i>Hieu C. Harrell</i>	Date Considered	<i>3/5/2007</i>
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				First Named Inventor	Julie WARD
				Art Unit	2142
				Examiner Name	Hieu C. LE <i>Harrell</i>
Sheet	5	of	6	Attorney Docket Number	10019569-1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	5A	Julie WARD, US Patent Application No.: 09/707,227, Filing Date: November 6, 2000.	
	5B	D. KLINGMAN et al. Netgen: A Program for Generating Large Scale Capacitated Assignment, Transportation, and Minimum Cost Flow Network Problems, Management Science 20(5):814-821, 1974, The Institute Of Management Sciences, Providence, RI.	
	5C	Dimitri P. BERTSEKAS, Linear Network Optimization: Algorithms and Codes, pages 253-260, 1991, The MIT Press, Cambridge, MA.	
	5D	Julie WARD et al., Appia: Automatic Storage Area Network Fabric Design, Conference on File and Storage Technologies (FAST'02), pp. 203-217, January 28, 2002, Usenix, Berkeley, CA.	
	5E	Staffan Bo STRAND, Storage Area Networks and SANTK, Thesis, December 2001, University of Minnesota, Minneapolis, MN.	
	5F	Matthew T. O'KEEFE et al., Designing Fibre Channel Storage Area Networks, February 2001. < http://www.borg.umn.edu/fc/papers/SANTK.pdf >	
	5G	Robert E. BIXBY, Solving Real-World Linear Programs: A Decade and More of Progress, January 2002.	
	5H	Ravindra K. AHUJA et al., Network Flows: Theory, Algorithms, and Applications, pp. 4-9, 649-686, 1993, Prentice-Hall, Upper Saddle River, NJ.	
	5I	Christodoulos A. FLOUDAS et al., Quadratic Optimization, 1995.	
	5J	Parameswaran RAMANATHAN et al., Resource Placement with Multiple Adjacency Constraints in k-ary n-Cubes, 1995.	

Examiner Signature	<i>DRP Harrell</i>	Date Considered	2/15/2007
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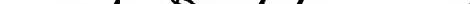
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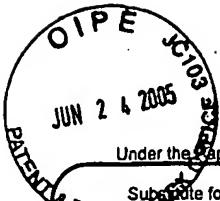
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	1D	US- 2002-0188732-A1	12-12-2002	Buckman et al.	
	1E	US- 2003-0144822-A1	07-31-2003	Peh et al.	
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	1G	US- 2005-0033844-A1	02-10-2005	Andrzejak et al.	
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	1P	US- 6,442,584-B1	08-27-2002	Kolli et al.	
	1Q	US- 6,452,924-B1	09-17-2002	Golden et al.	
	1R	US- 6,539,027-B1	03-25-2003	Cambron	
	1S	US- 6,598,080-B1	07-22-2003	Nagami et al.	

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Filing Date	January 17, 2002
First Named Inventor	Julie WARD
Art Unit	2142
Examiner Name	Hieu C. LE <i>for me</i>

Attorney Docket Number 10019569-1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	2A	US- 6,625,777-B1	09-23-2003	Levin et al.	
	2B	US- 6,633,909-B1	10-14-2003	Barrett et al.	
	2C	US- 6,650,639-B2	11-18-2003	Doherty et al.	
	2D	US- 6,675,328-B1	01-06-2004	Krishnarnachari et al.	
	2E	US- 6,694,361-B1	02-17-2004	Shah et al.	
	2F	US- 6,697,334-B1	02-24-2004	Klincewicz et al.	
	2G	US- 6,697,369-B1	02-24-2004	Dziong et al.	
	2H	US- 6,697,854-B1	02-24-2004	Glassen et al.	
	2I	US- 6,724,757-B1	04-20-2004	Zadikian et al.	
	2J	US- 6,744,767-B1	06-01-2004	Chiu et al.	
	2K	US- 6,778,496-B1	08-17-2004	Meempat et al	
	2L	US- 6,804,245-B2	10-12-2004	Mitchem et al.	
	2M	US- 6,857,027-B1	02-15-2005	Lindeborg et al.	
		US-			

FOREIGN PATENT DOCUMENTS

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Examiner Signature

Dale D. Burnell

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/052,682
Sheet	3	of	3	Filing Date	January 17, 2002
				First Named Inventor	Julie WARD
				Art Unit	2142
				Examiner Name	Hieu C. LE- <i>harrrell</i>
				Attorney Docket Number	10019569-1

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
<i>[Signature]</i>	3A	Ravindra K. AHUJA et al., Network Flows: Theory, Algorithms, and Applications, pp. 4-9, 649-686, 1993, Prentice-Hall, Upper Saddle River, NJ.		
<i>[Signature]</i>	3B	Julie Ward DREW et al., US Patent Application No. 10/290,760, Filing Date: November 8, 2002.		
<i>[Signature]</i>	3C	Julie Ward DREW, US Patent Application No. 10/290,643, Filing Date: November 8, 2002.		
<i>[Signature]</i>	3D	Julie Ward DREW et al., US Patent Application No. 10/845,855, Filing Date: May 13, 2004.		

Examiner Signature	<i>Peter B. Harrrell</i>	Date Considered	3/5/2007
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